

Mangalore University Mangalagangothri, Mangaluru – 574 199

#### CERTIFICATE

has been successfully carried out in the Department of Post-Graduate and Research in Computer Science by MS. DHANWIKA RegNo:P05AZ22S038054), student of Fourth semester MSc in Computer Science, under the supervision and guidance of Dr. MANJAIAH D.H., Pofessor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-2024.

Internal Guide

Chairperson quate Studies and

Research in Computer Science

Mangalore University, Mangalagangethri - 574 199

MANGALORE, KARNATAKA, INDIA

Internal Examiner

External Examiner

Submitted for the viva-voce examination held on

29 08 2029



**Mangalore University** Mangalagangothri, Mangaluru – 574 199

#### CERTIFICATE

This is to certify that the project work entitled "DIABETES PREDICTION USING MACHINE LEARNING & DEEP LEARNING" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Mr. GAUTHAMRAJ (Reg. No: PO5AZ22S038065), student of Fourth semester M.Sc, Computer Science, under the supervision and guidance of Mr.PRAKASH M, Assistant Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-2024.

Internal Guide

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Research Post-Graduate Studies and Research Post-Graduate Studies and Research Post-Graduate Studies and Research Post-Graduate Studies and Research Post-Graduate Studies and Research Post-Graduate Studies and Research Po

External Examiner

Submitted for the viva-voce examination held on 29 (8) 29

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#### THE PARTMENT OF POST-GRADUATE STUDIES ANDRESEARCH IN COMPUTER SCIENCE

Mangalore University Mangalagangothri, Mangaluru - 574 199

#### CERTIFICATE

The second of that the project work entitled "SMART RESOURCES ALLOCATION

out the SYSTEM" been successfully carried has

Post-Graduate Studies and Research in Computer Science by Harshitha A (Reg.

semester M.C.A, Computer Science, under the supervision

Mr. PRAKASH M, Assistant Professor, Department of Post-Graduate Studies and

The project is partial fulfilment of the

ments for the award of Master of Computer Application by Mangalore University during

westernic year 2022-2023.

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Department of Post - Graduate Studies and

Research in Computer Science Mangalore Wiver H. Mangalore Fordiri - 574199

External Examinera India

d the the viva-voce examination held on



Mangalore University Mangalagangothri, Mangaluru – 574 199

### **CERTIFICATE**

Multi-Biometric Recognition Using Deep Learning" has been successfully carried out in the Department of Post- Graduate Studies and Research in Computer Science by Ms. HIFAZATH BANU(Reg. No: P05AZ22S038057), student of Fourth semester MSC Computer Science, under the supervision and guidance of Mr. PRAKASH M, Assistant Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Science in Computer Science by Mangalore University during the academic year 2023-24.

Internal Guide

Chairperson Studies and Research in Computer Science Mangalore University Mangalogorophii - 574 19 MANGALORE, KARNATAKA, INDIA

Internal Examiner

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Mangalore University

Mangalagangothri, Mangalore – 574 199

#### CERTIFICATE

is to certify that the project work entitled "CATARACT DISEASE EDICTION BY USING TRANSFER LEARNING BASED METHODS" has successfully carried out in the Department of Post-Graduate Studies and earch in Computer Science by Ms. JAYALAKSHMI K (Reg.No: AZ22S038055), student of third semester Master of Computer Science, under supervision and guidance of DR. B.H SHEKAR, Professor, Department of Post-mate Studies and Research in Computer Science, Mangalore University. The is partial fulfilment of the requirements for the award of Master of muter Science by Mangalore University during the academic year 2023-2024.

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Chairperson

Department of Post-Graduate Studies and
Research in Computer Science
Mangalore University Mangalogy angothri - 574 199

MANGALORE, KARNATAKA, INDIA

ernal Examiner

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Mangalore University
Mangalagangothri, Mangalore-574199

### CERTIFICATE

This is to certify that the project work entitled "SIGNATURE FORGERY DETECTION" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by JITHESH J K (Reg. No: P05AZ22038051), student of third semester Master of Computer Science under the supervision and guidance of Mr. PRAKASHA M, Assistant Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfillment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-2024.

Internal Guide

Internal Examiner of booth

Depart Chair Post-Graduate Studies and Research Mangalore University, Mangalagangothri - 574 199
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for the viva-voce examination held on 108 dock



Mangalore University Mangalagangothri, Mangaluru-574 199

CERTIFICATE

This is to certify that the project work entitled "NETWORK INTRUSION DETECTION USING MACHINE LEARNING AND DEEP LEARNING" been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science Mangalore University by Ms. KAVYA K Reg.No:P05AZ22S038048), student of Fourth Semester M.Sc. Computer Science, under the supervision and guidance of Dr. MANJAIAH D.H, Senior Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Degree in Master of Science in Computer Science During the Academic Year 2023-24.

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Champerson Studies and Research in Computer Science Mangafore University Mangalagangothri - 574 199

MANGALORE, KARNATAKA, INDIA

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— University Mangalagangothri, Mangaluru – 574 199

### CERTIFICATE

The project work entitled "Deep Learning Approach for Based on Fusion of Face and carried out in the Department of Post- Graduate in Computer Science by Ms. FATHIMATH ZAKIYA 354Z22S038037), student of Fourth semester MSC Computer and guidance of Mr. PRAKASH M, Assistant of Post-Graduate Studies and Research in Computer University. The project is partial fulfilment of the award of Master of Science in Computer Science by during the academic year 2023-24.

Chairperson

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Science Mary a gragothri - 5

MANGALURE, KARNATAKA, INDIA

ernal Examiner

milted for the viva-voce examination held on



Mangalore University Mangalagangothri, Mangalore – 574 199

### CERTIFICATE

Machine generated text in monolingual and multilingual scenarios" has been cessfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by MANAVI K K (Reg. No: P05AZ22038050), student of the semester Master of Computer Science under the supervision and guidance of H. L. Shashirekha, Professor, Department of Post-Graduate Studies and search in Computer Science, Mangalore University. The project is partial manufactor of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-24.

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**External Examiner** 

Submitted for the viva-voce examination held on

89.8.2024



Mangalore University Mangalagangothri, Mangaluru-574199

### CERTIFICATE

s to certify that the project work entitled "CALORIE BURNT has been successfully carried out in the Department of Post-Studies and Research in Computer Science by Ms. MARIYAMMA Reg. No: P05AZ22S038058), student of Fourth semester MSC mouter Science, under the supervision and guidance of Dr. MANJAIAH Professor, Department of Post-Graduate Studies and Research in Science, Mangalore University. The project is partial fulfilment of rements for the award of Master of Science in Computer Science by University during the academic year 2023-2024.

Internal Guide

Research in Simputer Science Mangalore University, Mangalagangothri - 574 199 MANGALORE, KARNATAKA, INDIA

Submitted for the viva-voce examination held on 89.8-2024

MARCH - 2024



### DEPARTMENT OF POST-GRADUATE STUDIES AND RESEARCH IN COMPUTER SCIENCE

Mangalore University

Mangalagangothri, Mangaluru – 574 199

#### CERTIFICATE

This is to certify that the project work entitled "MULTILINGUAL APPROACHES FOR DETECTING HOMOPHOBIC AND TRANSPHOBIC CONTENT IN CODE-MIXED TEXT" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by NETHRAVATHI GIDNAKANALA(Reg.No:P05AZ22S038041), student of Fourth semester MSc in Computer Science, under the supervision and guidance of Dr. H. L. SHASHIREKHA, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfillment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-2024.

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Submitted for the viva-voce examination held on .



Mangalore University

Mangalagangothri, Mangalore - 574199

### CERTIFICATE

It is to certify that the project work entitled "EMPLOYEE PERFORMANCE LYSIS" has been successfully carried out in the Department of Post-Graduate and Research in Computer Science by Ms. NISHMITHA J.R (Reg. No: 222S038047), student of Fourth semester M.Sc Computer Science, under the sion and guidance of Mr. PRAKASHA M, Assistant Professor, Department of Graduate Studies and Research in Computer Science, Mangalore University.

The project is partial fulfilment of the requirements for the award of Master of Science apputer Science by Mangalore University during the academic year 2023-2024.

ernal Guide:

Internal Examiner:

Dep Chairperson:

Mangalore University Atangalagangothri - 574 199
MANGALORE, KARNATAKA, INDIA

External Examiner:

External Examiner.

Submitted for the viva-voce examination held on 29-8

29-8-2024



Mangalore University Mangalagangothri-Mangaluru-574199



to certify that the project work entitled "Gesture control for Human mouter Interaction" has been successfully carried out in the Department of The Computer Science Mangalore University POOJA (Reg.No: P05AZ22S038044), student of Fourth Semester M.Sc. mouter Science, under the supervision and guidance of Dr. MANJAIAH D.H, Professor & Chairperson, Department of Post-Graduate Studies and earch in Computer Science, Mangalore University. The project is partial ment of the requirements for the award of Degree in Master of Science in puter Science by Mangalore University during the Academic Year 2023-24.

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Chairman Department of Post-Graduate Studies and

Research in Computer Science Mangalore University, Mangelagangothri - 574 190

ANGALORE, KARNATAKA, INOLA

nitted for the viva-voce examination held on <u>29.8-2024</u>



Mangalore University Mangalagangothri, Mangalore – 574 199

### CERTIFICATE

This is to certify that the project work entitled "VOICE-ASSISTED VOTING FOR VISUALLY IMPAIRED" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Mr. PRATHVI B (Reg.No: P05AZ22S038056), student of Fourth semester M.Sc. in Computer Science, under the supervision and guidance of Dr. H. L. SHASHIREKHA, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-24.

Department of Chairperson

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External Examiner

Submitted for the viva-voce examination held on 29.8.2024



## UNIVERSITY

# RESEARCH IN COMPUTER SCIENCE

Mangalore University
Mangalagangothri, Mangalore-574199

### CERTIFICATE

DEEP LEARNING METHODS" has been successfully carried out in ment of Post-Graduate Studies and Research in Computer Science University by RAKSHA(Reg.No:P05AZ22S038035), student of SHEKER, Professor, Department of Post-Graduate Studies and Computer Science, under the supervision and guidance of SHEKER, Professor, Department of Post-Graduate Studies and Computer Science, Mangalore University. The project is partial of the requirements for the award of Degree in Master of Science in Science During the Academic Year 2023-2024.

Internal Guide

Internal Examiner

Chairperson uste Studies and
Research in Computer Science
Mangalore University, Mangalagangothri - 574 196
MANGALORE, KARNATAKA, INDIA

**External Examiner** 

d for the viva-voce examination held on \_

29/8/24



Mangalore University
Mangalagangothri, Mangalore – 574199

#### CERTIFICATE

This is to certify that the project work entitled "KanAug – TEXT AUGMENTATION TECHNIQUES FOR KANNADA" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Ms. RAKSHA G (Reg.No: P05AZ22S038036), student of Fourth semester M.Sc. in Computer Science, under the supervision and guidance of Dr. H. L. SHASHIREKHA, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-24.

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Internal Examiner

Department of Post Chairperson
Research in Compiler Science
Mangalors University Science

Mangalore University Manual Samenthal -MANGALORE KAITAKA INDIA

**External Examiner** 

Submitted for the viva-voce examination held on

29/8/24



Mangalore University

Mangalagangothri, Mangalore – 574 199

### CERTIFICATE

This is to certify that the project work entitled "FACE RECOGNITION BASED ATTENDANCE SYSTEM" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Ms. SANDHYA LAXMI K (Reg. No: P05AZ22S038045), student of Fourth semester Master of Computer Science, under the supervision and guidance of Dr.B.H.SHEKAR, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-2024.

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Research in Compater Science
Mangalore University Mangalogangottri - 574 190

External Examiner

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Mangalore University Mangalagangotri, Mangalore - 574 199

### CERTIFICATE

This is to certify that the project work entitled 'SEMANTIC SEGMENTATION OF SATELLITE IMAGERY USING DEEP LEARNING TECHNIQUES' has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Mr. SIDHARTH MAHESH (Reg.No: P05AZ22S038059), student of Fourth semester M.Sc. in Computer Science, under the supervision and guidance of Dr. B.H Shekar, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfillment of the requirements for the award of Master of Computer Science by Mangalore University during the academic

year 2023-2

Internal Examin

Department of Post-Graduate Studies an Re Chairperson tar Science Mangalore Universit, Macgalagangothri-574

MANGALORE, KARNATAKA, INDIA

External Examiner

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Mangalore University

Mangalagangothri, Mangalore – 574 199

### CERTIFICATE

This is to certify that the project work entitled "NAMED ENTITY RECOGNITION FOR TULU" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Ms. SONALI (Reg.No: P05AZ22S038066), student of Fourth semester M.Sc. in Computer Science, under the supervision and guidance of Dr. H. L. SHASHIREKHA, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfillment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-24.

Ullachnella Internal Guide

Internal Examiner

Department of Post Graveste Studies and
Research Chairperson Science

External Examiner

Submitted for the viva-voce examination held on \_

29/8/24



Mangalore University Mangalagangotri, Mangalore – 574 199

#### CERTIFICATE

This is to certify that the project work entitled "WORD - LEVEL **LANGUAGE IDENTIFICATION IN CODE-MIXED DRAVIDIAN** 

ANGUAGES" has been successfully carried out in the Department of First-Graduate Studies and Research in Computer Science by Mr. SONITH D (Reg.No: P05AZ22S038060), student of Fourth semester M.Sc. in Computer Science, under the supervision and guidance of Dr. H. L. SHASHIREKHA, Professor, Department of Post- Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-24.

Internal Guide

Internal Examiner

Department of Chairperson Studies and Research in (

Mangalore University Mangalagangothel - 574199 MANGALORE KARNATAKA INDIA

**External Examiner** 

Submitted for the viva-voce examination held on 29 (08 / 2024



Mangalore University
Mangalagangothri, Mangalore – 574 199

### CERTIFICATE

This is to certify that the project work entitled "NORMALIZATION FOR CODE MIXED KANNADA TEXT" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science by Mr. SUBRAHMANYA (Reg.No: P05AZ22S038046), student of Fourth semester M.Sc. in Computer Science, under the supervision and suidance of Dr. H. L. SHASHIREKHA, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Master of Computer Science by Mangalore University during the academic year 2023-24.

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Department of Post - duate Studies a Research in Computer Science

Mangalore driver ity mang 122 John 574

External Examiner

Internal Examiner

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Mangalore University Mangalagangothri, Mangalore-574199

### CERTIFICATE

is to certify that the project work entitled "RunTrack: ANDROID BASED INNING APP" has been successfully carried out in the Department of Post-Graduate and Research in Computer Science by SUSHANTH K (Reg. No: 54Z22038038), student of fourth semester Master of Computer Science under the pervision and guidance of Dr. Manjaiah D. H, Professor, Department of Postand ate Studies and Research in Computer Science, Mangalore University. The project section fulfillment of the requirements for the award of Master of Computer Science Mangalore University during the academic year 2023-24.

Department of Post-Graduate Studies and Research in Computer Science

Mangalore University, Mangalagangothri - 574 198

MANGALORE, KARNAT

External Examiner

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### **UNIVERSITY**

# DEPARTMENT OF POST-GRADUATE STUDIES AND RESEARCH IN COMPUTER SCIENCE

Mangalore University
Mangalagangothri, Mangaluru-574 199

### CERTIFICATE

STEM BASED ON MACHINE LEARNING" has been successfully carried out in Department of Post Graduate Studies and Research in Computer Science by Ms THRIVENI D(Reg. No: P05AZ22S038040), student third semester Master of Computer Science, under the supervision and guidance of Dr. B. H. Shekar, Professor, Department of Post-Graduate studies and Research in Computer Science, Mangalore University. The project is partial fulfilment for the award of Master of Computer Science by Mangalore University during the academic year 2023-2024

Internal Guide

Internal Examiner

Oppartment of Post-Graduate Studies and

R Chairperson ter Science
Mangalore University

MANGALURE, KARNATAKA, INDIA

**External Examiner** 

Submitted for viva-voce examination held on :



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## DEPARTMENT OF POSTGRADUATE STUDIES AND RESEARCH IN COMPUTER SCIENCE

**Mangalore University** 

Mangalagangothri, Mangalore-574199

### CERTIFICATE

This is to certify that the project work entitled "Detection of Covid-19 using Deep Learning Technique" has been successfully carried out in the Department of Post-Graduate Studies and Research in Computer Science Mangalore University by Ms. VEENA (Reg. No. P05AZ22S038049), student of Fourth Semester M.Sc. Computer Science, under the supervision and guidance of Dr. B.H Shekar, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University. The project is partial fulfilment of the requirements for the award of Degree in Master of Science in Computer Science During the Academic Year 2023-24.

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Mangafore University, Mancalegongothet - 574 190 MANGALORE, KARNATAKA, INDIA External Examiner



# DEPARTMENT OF POST-GRADUATE STUDIES AND RESEARCH IN COMPUTER SCIENCE

Mangalore University

Mangalagangothri, Mangalore – 574 199

### **CERTIFICATE**

STEM" has been successfully carried out in the Department of Postduate Studies and Research in Computer Science by Ms.VINITHA.M

Reg. No: P05AZ22S038034), student of Fourth semester Master of
Computer Science, under the supervision and guidance of Dr. MANJAIAH

DH. Professor, Department of Post-Graduate Studies and Research in
Computer Science, Mangalore University. The project is partial fulfilment of
Tequirements for the award of Master of Computer Science by

Mangalore University during the academic year 2022-2024.

Internal Guide

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Chairperson

Department of Post-Granuate Studies an

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